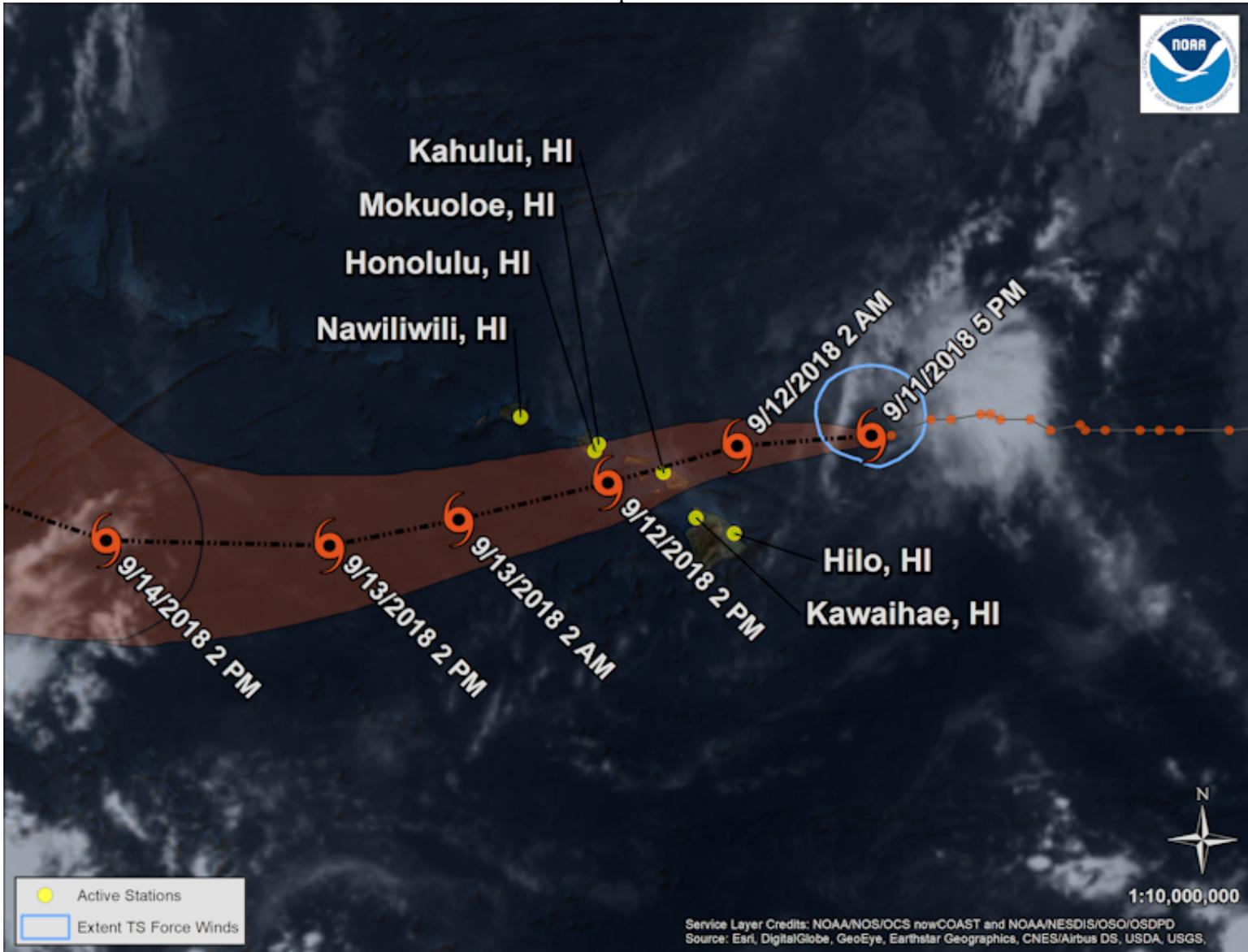




Tropical Storm Olivia QuickLook
Posted: 12:00 HST 09/11/2018

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 9/11/2018 12:00 HST, water levels across the Hawaiian Islands continue to be slightly elevated and range between 0.4 and 1.0 feet above normal tide levels. Winds are between 3 and 12 knots with gusts up to 15 knots for most of the stations around the island chain. Hilo, HI is the exception with the fastest wind speeds of 25 knots and gusts up to 30 knots at this time. Barometric pressure is generally steady.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional real-time and historical inundation information for select stations affected by this storm, please visit Coastal Inundation Dashboard. For additional data, please see the Center for Operational Oceanographic Products & Services website.

For more information or archived products and reports, please visit the Storm QuickLook Homepage.

Analyst: RCL

Select Central Pacific Hurricane Center Advisory Information:

Tropical Storm Olivia Advisory Number 45
NWS Central Pacific Hurricane Center Honolulu HI
1100 AM HST Tue Sep 11 2018

...OLIVIA SPEEDS UP AND IS CLOSING IN ON THE MAIN HAWAIIAN ISLANDS...
...INCREASING WINDS AND SHOWERS EXPECTED THIS AFTERNOON...

SUMMARY OF 1100 AM HST...2100 UTC...INFORMATION

LOCATION...21.6N 152.3W
ABOUT 275 MI...440 KM E OF KAHULUI HAWAII
ABOUT 360 MI...580 KM E OF HONOLULU HAWAII
MAXIMUM SUSTAINED WINDS...60 MPH...95 KM/H
PRESENT MOVEMENT...W OR 270 DEGREES AT 17 MPH...28 KM/H
MINIMUM CENTRAL PRESSURE...1000 MB...29.53 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

A Tropical Storm Warning has been issued for Kauai and Niihau.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...
* Kauai County...including the islands of Kauai and Niihau
* Oahu
* Maui County...including the islands of Maui, Molokai, Lanai, and Kahoolawe
* Hawaii County

Interests in the Northwest Hawaiian Islands should monitor the progress of Olivia.

A Tropical Storm Warning means that tropical storm conditions are expected somewhere in the warning area within 36 hours.

For storm information specific to your area, please monitor products issued by the National Weather Service office in Honolulu Hawaii.

DISCUSSION AND OUTLOOK

At 1100 AM HST (2100 UTC), the center of Tropical Storm Olivia was located near latitude 21.6 North, longitude 152.3 West. Olivia is moving toward the west near 17 mph (28 km/h). A slight turn toward the west-southwest is expected later today. This general motion will then continue for the next couple of days. On the forecast track, Olivia will be moving across the main Hawaiian Islands tonight and Wednesday.

Maximum sustained winds are near 60 mph (95 km/h) with higher gusts. Some weakening is forecast during the next 48 hours. Gradual weakening is forecast during the next 48 hours, but Olivia is expected to remain a tropical storm as it moves over the main Hawaiian Islands.

Tropical-storm-force winds extend outward up to 90 miles (150 km) from the center.

The estimated minimum central pressure is 1000 mb (29.53 inches).

HAZARDS AFFECTING LAND

WIND: Winds will increase over parts of the main Hawaiian Islands this afternoon as Olivia approaches. Wind gusts can be much stronger near higher terrain, particularly through gaps between mountains and where winds blow downslope. Tropical storm conditions are expected over portions of Maui County and the Big Island starting later today or tonight. Tropical storm conditions are expected over Oahu starting tonight. Tropical storm conditions are possible over Kauai County starting late tonight or Wednesday morning.

RAINFALL: Showers will continue to increase over portions of the main Hawaiian Islands today ahead of Tropical Storm Olivia. Olivia is expected to produce total rainfall accumulations of 5 to 10 inches in some areas, with isolated maximum amounts of 15 inches possible, especially in higher terrain. This rainfall may produce life-threatening flash flooding.

SURF: Large swells generated by Olivia will impact the main Hawaiian

Islands over the next couple of days. This will result in dangerously high and potentially damaging surf, mainly along exposed east facing shores.

NEXT ADVISORY

Next intermediate advisory at 200 PM HST.

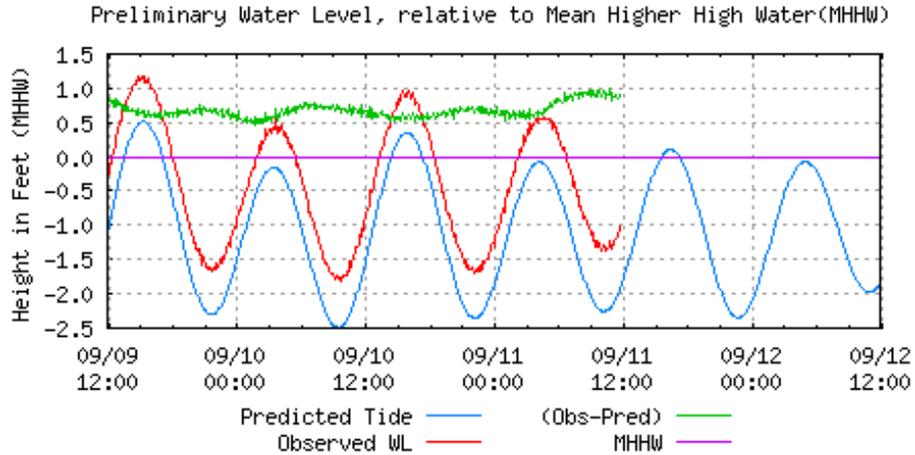
Next complete advisory at 500 PM HST.

Forecaster R Ballard

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Hilo, Hilo Bay, Kuhio Bay - Water Level](#), [Hilo, Hilo Bay, Kuhio Bay - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Barometric](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Kawaihae - Barometric](#), [Kahului, Kahului Harbor - Water Level](#), [Kahului, Kahului Harbor - Winds](#), [Kahului, Kahului Harbor - Barometric](#), [Mokuoloe - Water Level](#), [Mokuoloe - Winds](#), [Mokuoloe - Barometric](#), [Honolulu - Water Level](#), [Honolulu - Winds](#), [Honolulu - Barometric](#), [Nawiliwili - Water Level](#), [Nawiliwili - Winds](#), [Nawiliwili - Barometric](#)

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



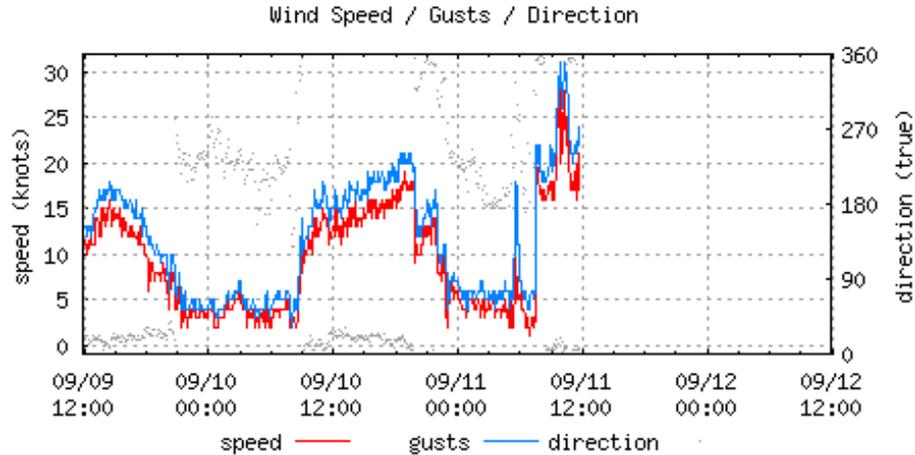
Last Observed Sample: 09/11/2018 11:42 (HST). Data relative to MHHW

Observed: -1.01 ft. Predicted: -1.92 ft. Residual: 0.91 ft.

Historical Maximum Water Level: Jul 24 2017, 1.54 ft.

Next High Tide: 09/11/2018 16:22 (HST), 0.11 ft.

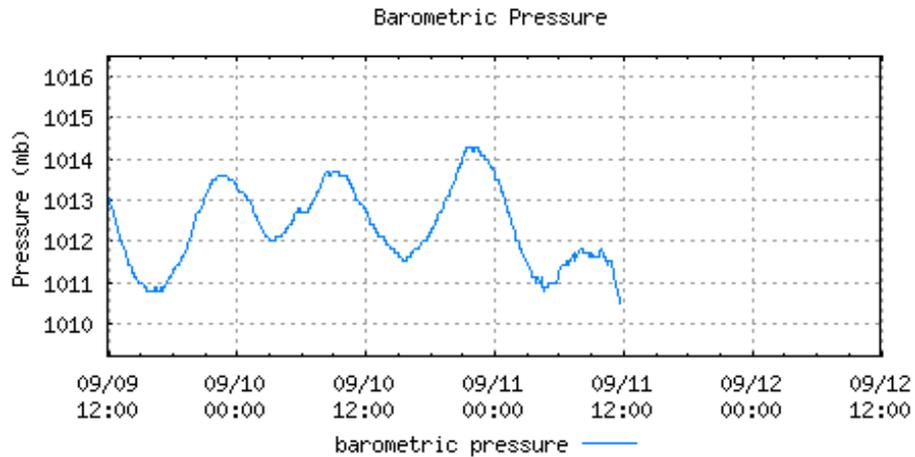
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 09/11/2018 11:42 (HST)

Wind Speed: 17 knots Gusts: 22 knots Direction: 7° T

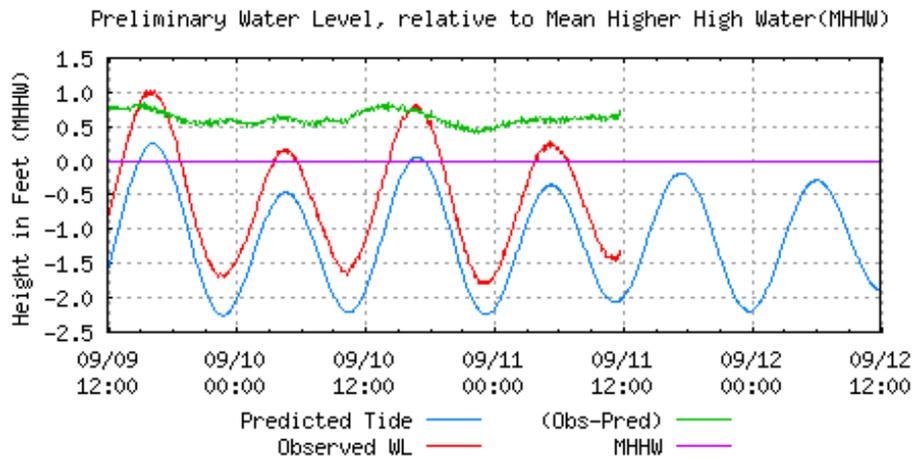
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 09/11/2018 11:42 (HST)

Barometric Pressure: 1010.5 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



Last Observed Sample: 09/11/2018 11:42 (HST). Data relative to MHHW

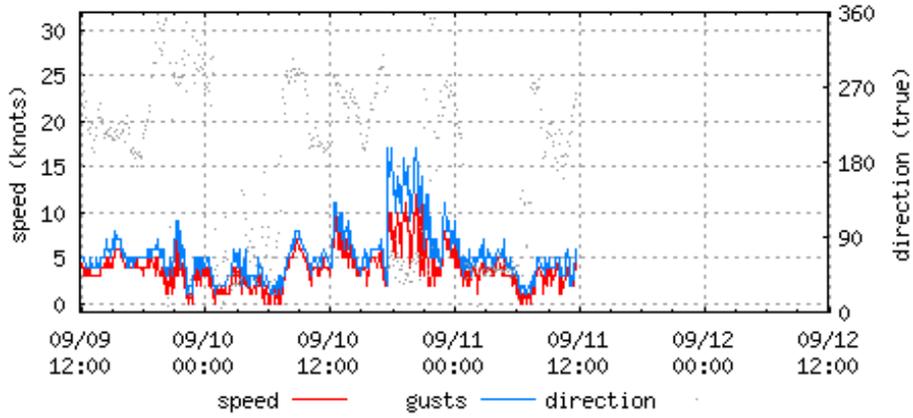
Observed: -1.32 ft. Predicted: -2.04 ft. Residual: 0.72 ft.

Historical Maximum Water Level: Dec 15 2016, 1.33 ft.

Next High Tide: 09/11/2018 17:22 (HST), -0.18 ft.

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

Wind Speed / Gusts / Direction

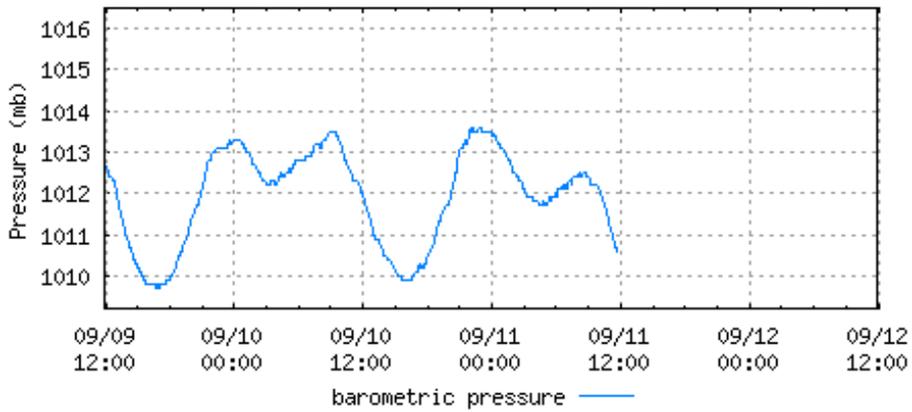


Last Observed Sample: 09/11/2018 11:42 (HST)

Wind Speed: 5 knots Gusts: 6 knots Direction: 262° T

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

Barometric Pressure

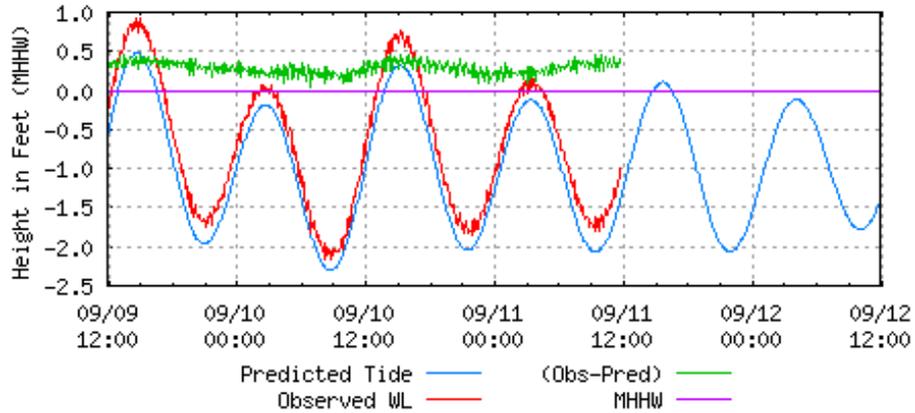


Last Observed Sample: 09/11/2018 11:42 (HST)

Barometric Pressure: 1010.6 mb

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 09/11/2018 11:42 (HST). Data relative to MHHW

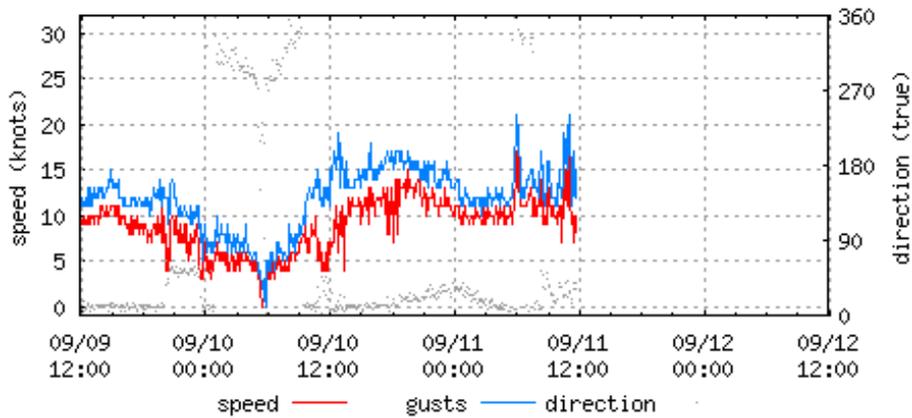
Observed: -1.00 ft. Predicted: -1.40 ft. Residual: 0.40 ft.

Historical Maximum Water Level: Aug 21 2017, 1.33 ft.

Next High Tide: 09/11/2018 15:37 (HST), 0.11 ft.

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

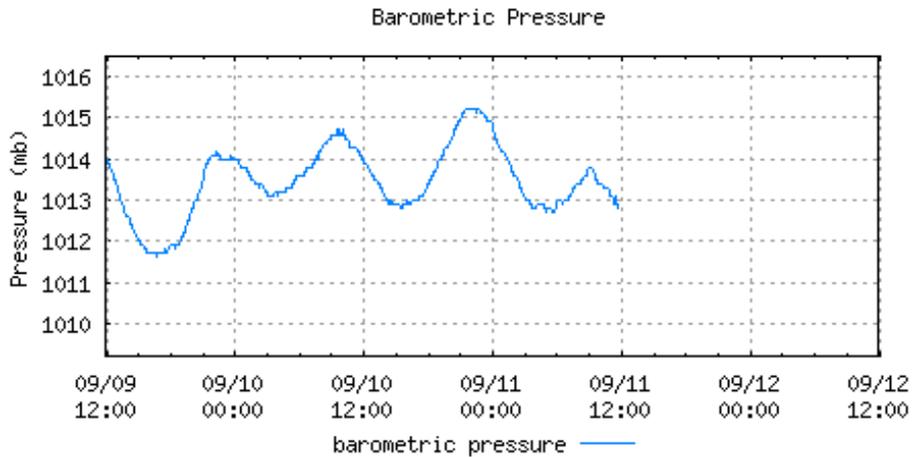
Wind Speed / Gusts / Direction



Last Observed Sample: 09/11/2018 11:42 (HST)

Wind Speed: 10 knots Gusts: 12 knots Direction: 32° T

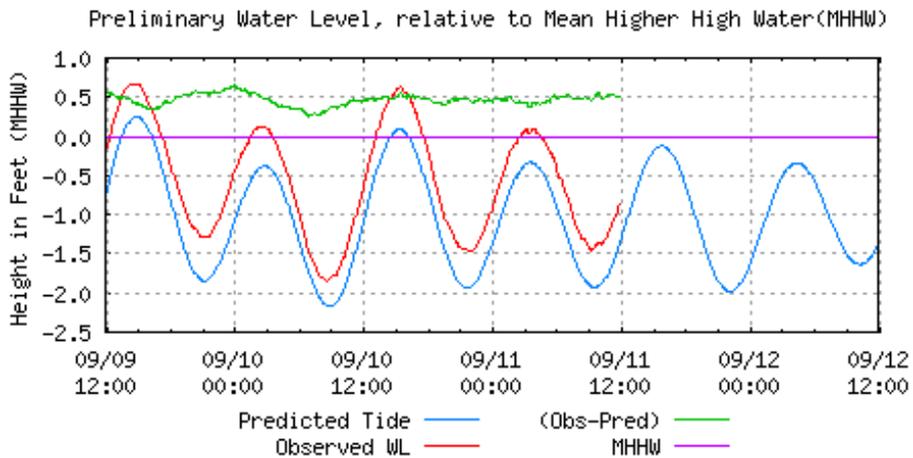
NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI



Last Observed Sample: 09/11/2018 11:42 (HST)

Barometric Pressure: 1012.8 mb

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 09/11/2018 11:54 (HST). Data relative to MHHW

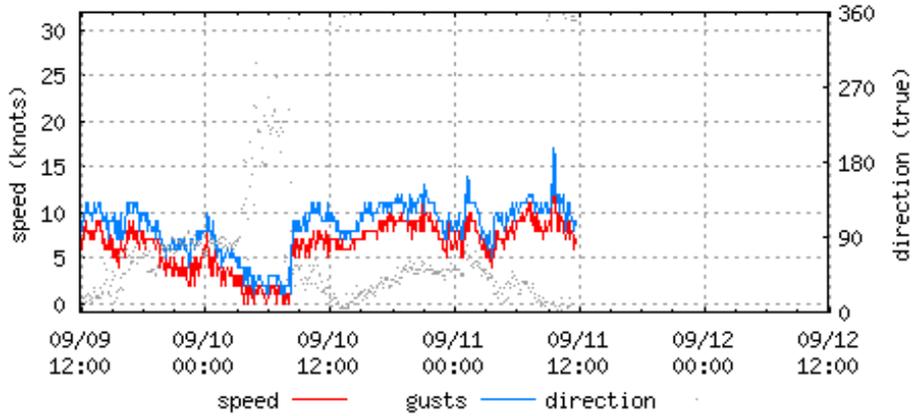
Observed: -0.82 ft. Predicted: -1.34 ft. Residual: 0.52 ft.

Historical Maximum Water Level: Aug 21 2017, 1.47 ft.

Next High Tide: 09/11/2018 15:44 (HST), -0.12 ft.

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI

Wind Speed / Gusts / Direction



Last Observed Sample: 09/11/2018 11:54 (HST)

Wind Speed: 7 knots Gusts: 9 knots Direction: 359° T

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI

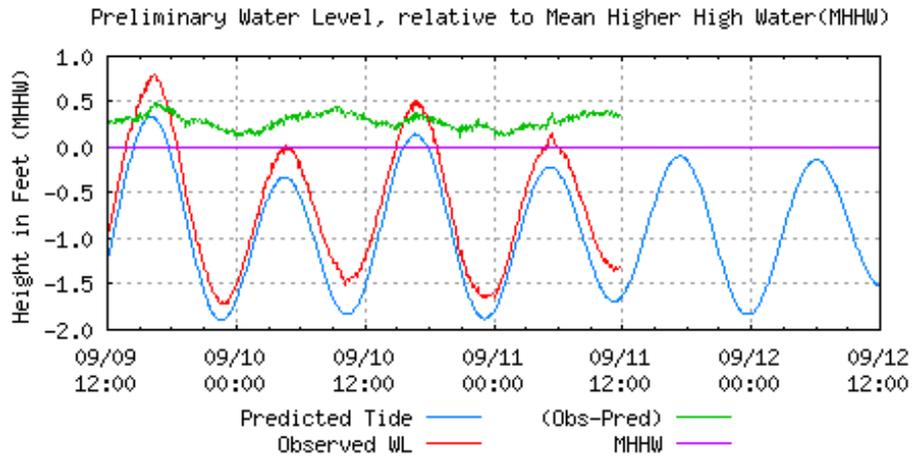
NOAA/NOS/CO-OPS

<p>This data type is not currently available from this station.</p>					
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Last Observed Sample: 09/11/2018 11:54 (HST)

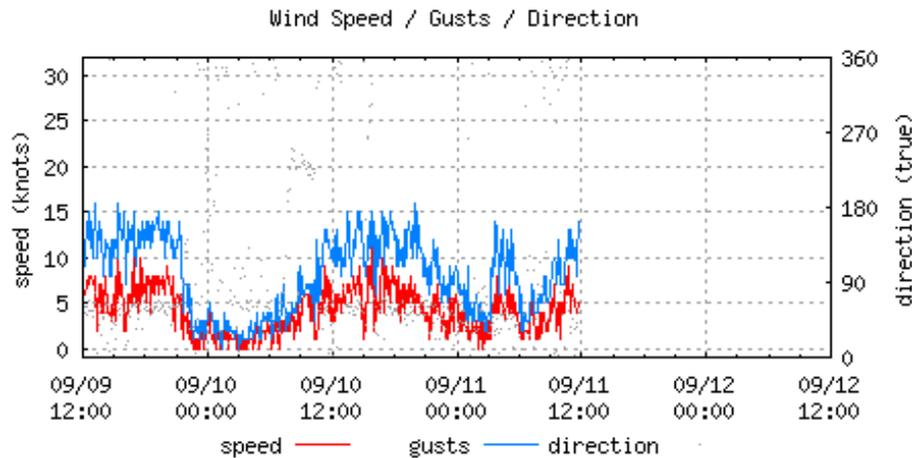
Barometric Pressure: 1013.8 mb

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



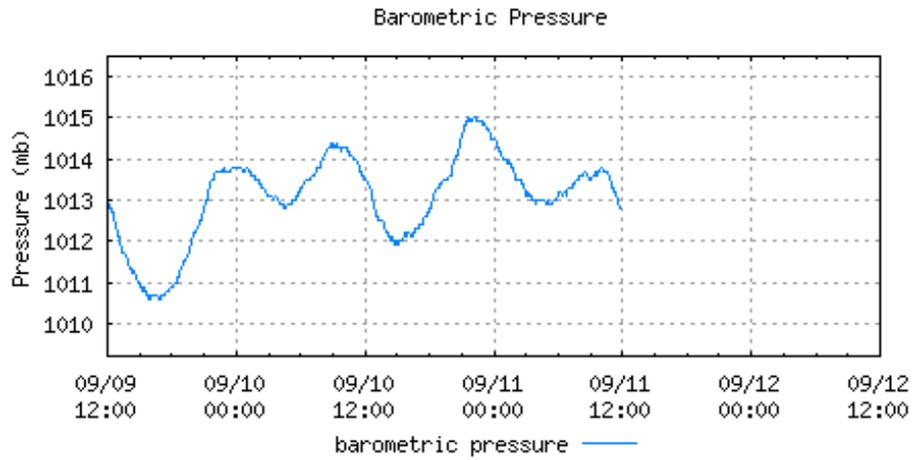
Last Observed Sample: 09/11/2018 11:42 (HST). Data relative to MHHW
Observed: -1.31 ft. Predicted: -1.66 ft. Residual: 0.35 ft.
 Historical Maximum Water Level: Sep 11 1992, 1.47 ft.
 Next High Tide: 09/11/2018 17:21 (HST), -0.09 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 09/11/2018 11:42 (HST)
Wind Speed: 5 knots Gusts: 14 knots Direction: 54° T

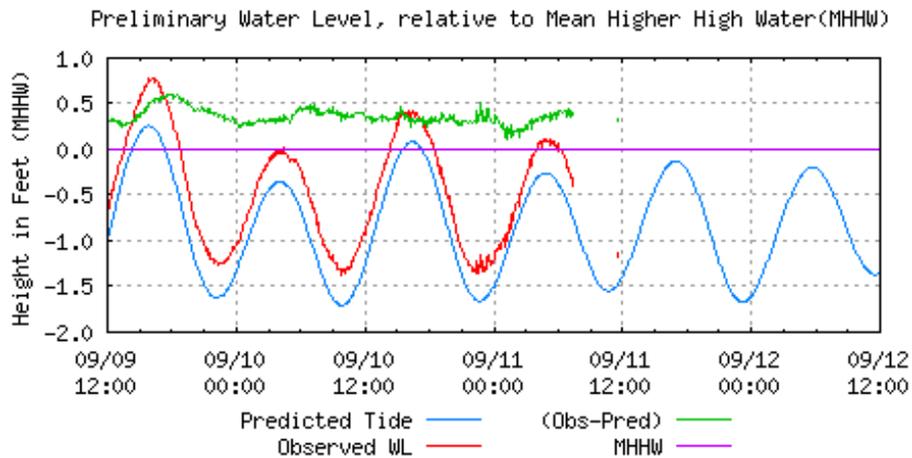
NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 09/11/2018 11:42 (HST)

Barometric Pressure: 1012.8 mb

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 09/11/2018 11:54 (HST). Data relative to MHHW

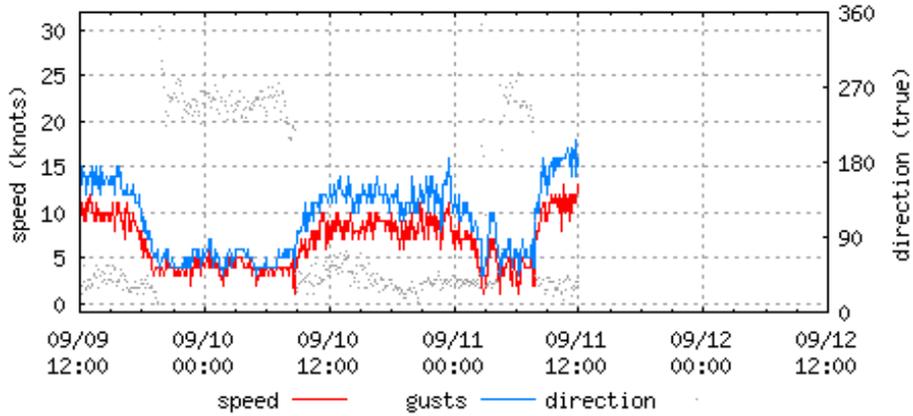
Observed: -1.14 ft. Predicted: -1.47 ft. Residual: 0.33 ft.

Historical Maximum Water Level: Sep 11 1992, 3.15 ft.

Next High Tide: 09/11/2018 16:58 (HST), -0.13 ft.

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI

Wind Speed / Gusts / Direction

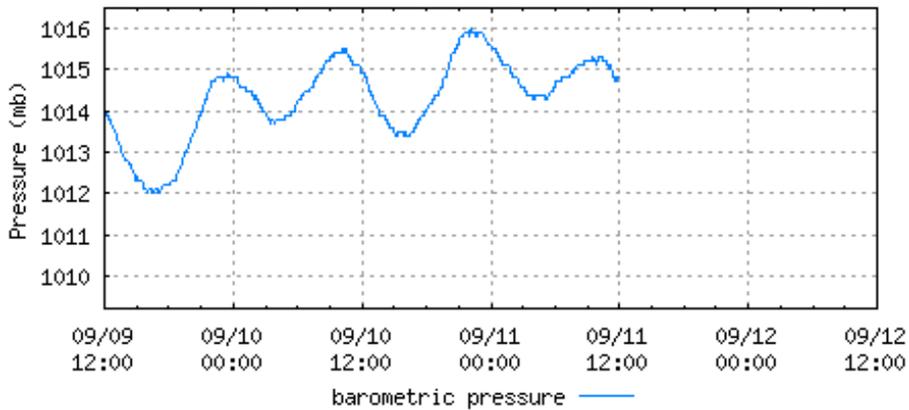


Last Observed Sample: 09/11/2018 11:54 (HST)

Wind Speed: 13 knots Gusts: 16 knots Direction: 36° T

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI

Barometric Pressure



Last Observed Sample: 09/11/2018 11:54 (HST)

Barometric Pressure: 1014.8 mb

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	09/11/2018 11:42 (HST)	-1.01 ft	-1.92 ft	0.91 ft	0.96 ft
1617433	Kawaihae, HI	09/11/2018 11:42 (HST)	-1.32 ft	-2.04 ft	0.72 ft	0.83 ft
1615680	Kahului, Kahului Harbor, HI	09/11/2018 11:42 (HST)	-1.00 ft	-1.40 ft	0.40 ft	0.78 ft
1612480	Mokuoloe, HI	09/11/2018 11:54 (HST)	-0.82 ft	-1.34 ft	0.52 ft	0.63 ft
1612340	Honolulu, HI	09/11/2018 11:42 (HST)	-1.31 ft	-1.66 ft	0.35 ft	0.51 ft
1611400	Nawiliwili, HI	09/11/2018 11:54 (HST)	-1.14 ft	-1.47 ft	0.33 ft	0.44 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce